



Special Documentation

Liquiline System CA80COD

Colorimetric analyzer for chemical oxygen demand
High Chloride Version

About this document

This special documentation is not a substitute for the Operating Instructions pertaining to the device.



Operating Instructions Liquiline System CA80COD, BA01354C

Specification supplement

Applications

- Industrial Wastewater treatment plants, especially petrochemical applications
- Municipal Wastewater treatment plants in industrial parks
- Nearshore sea monitoring

Performance characteristics

Measuring range	<ul style="list-style-type: none">■ 0 to 4,000 mg/l O₂■ 0 to 500 mg/l O₂
Upper limit of Cl ⁻ interference	30,000 mg/l Cl ⁻
Limit of quantification (LOQ)	15 mg/l COD
Maximum measured error	<ul style="list-style-type: none">■ 0 to 50 mg/l: 5 mg/l¹⁾■ 50 to 100 mg/l: 6 mg/l²⁾■ 100 to 200 mg/l: 8 mg/l²⁾■ 200 to 400 mg/l: 4% of the measured value■ 400 to 4,000 mg/l: 3% of the measured value
Repeatability	< 5% of measured value or 2 mg/l, the higher value counts
Measuring interval	approx. 55 min
Sample requirement	8 ml per measurement
Reagent requirement	Given a measuring interval by 1 h, one set of reagents lasts for 50 days
Standard requirement	Zero standard Given a calibration interval of 48 h, a cleaning interval of 24 h and a sample hose length of 3 m, the requirement is approx. 500 ml per month Standard 1 Given a calibration interval of 48 h the requirement is approx. 90 ml per month

1) Calibrated at 50 mg/l

2) Calibrated at 500 mg/l

Maintenance schedule



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